

AFW

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE
BEFORE THE BOARD OF PATENT APPEALS AND INTERFERENCES



APPEAL BRIEF FOR THE APPELLANT

Ex parte Tommi KOISTINEN

Brief on Appeal

Serial No. 09/920,362

Appeal No.:

Group Art Unit: 2151

Enclosed is a check in the amount of Five Hundred Dollars (\$500.00) to cover the official fee for this Appeal Brief. In the event that there may be any fees due with respect to the filing of this paper, please charge Deposit Account No. 50-2222.

David E. Brown
Attorney for Appellant(s)
Reg. No. 51,091

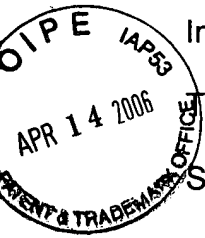
SQUIRE, SANDERS & DEMPSEY LLP
8000 Towers Crescent Drive, 14th Floor
Tysons Corner, VA 22182-2700

Atty. Docket: 60282.00047

DEB/jkm

Encls: Check No. 14336
Appeal Brief (in triplicate)

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE
BEFORE THE BOARD OF PATENT APPEALS AND INTERFERENCES



In re the Appellant:

Tommi KOISTINEN

Serial Number: 09/920,362

Filed: August 1, 2001

For: TONE DETECTION ELIMINATION

Appeal No.:

Group Art Unit: 2151

Examiner: Nguyen, Van Kim T.

BRIEF ON APPEAL

April 14, 2006

I. INTRODUCTION

This is an appeal from the final rejection set forth in an Official Action dated October 19, 2005, objecting to claims 65-66 and 85, and finally rejecting claims 59-64, 67-84, and 86-91, all of the claims pending in this application. Claims 59-63, 67-70, 72-73, 75, 77-84 and 86-91 stand rejected as being anticipated by Applicants Admitted Prior Art (APA), claims 64, 71, 74 and 76 stand rejected as being obvious over APA, in view of US Patent No. 6,259,691 to Naudus (Naudus). A Request for Reconsideration was timely filed on January 9, 2006. An Advisory Action was issued on February 3, 2006, indicating that the arguments presented in the Request for Reconsideration were not persuasive. A Notice of Appeal was timely filed on February 17, 2006 with petition for Extension of Time. This Appeal Brief is being timely filed.

04/17/2006 SZEWDIE1 00000047 09920362

01 FC:1402

500.00 OP

II. REAL PARTY IN INTEREST

The real parties in interest in this application is Nokia Networks Oy, of Espoo,

Finland, by virtue of an Assignment which was submitted for recordation on April 6, 2001, and which was recorded at Reel 012455, Frame 0219, on January 8, 2002. It is noted that Nokia Networks Oy is wholly owned by Nokia Corporation, also of Finland.

III. STATEMENT OF RELATED APPEALS AND INTERFERENCES

There are no known related appeals and/or interferences which will directly effect or be directly effected by or have a bearing on the Board's decision in this appeal.

IV. STATUS OF CLAIMS

Claims 1-58 are cancelled without prejudice. Claims 59-63, 67-70, 72-73, 75, 77-84 and 86-91 stand rejected as being obvious over 35 U.S.C. 102(e) over Applicant's admitted prior art (APA). The Office Action rejected claims 64, 71, 74 and 76 under 35 U.S.C. 103(a) as being obvious over APA, in view of US Patent No. 6,259,691 to Naudus (Naudus). Claims 65, 66 and 85 are objected to for depending from rejected base claims. The PTO's rejection of claims 59-64, 67-84 and 86-91 set forth in the Final Office Action dated October 19, 2005 is being appealed.

V. STATUS OF AMENDMENTS

Original claims 1-31 were cancelled, and new claims 31-58 were submitted and claims 30-56 were amended in a Preliminary Amendment which was filed on August 1, 2001. Claims 29-56 were amended on October 31, 2003. Claims 31-58 were cancelled without prejudice and claims new claims 59-85 were added on in a Supplemental Preliminary Amendment filed on October 25, 2001. Claims 59 and 80 were amended and

new claims 86-91 were added in the Response filed on July 25, 2005. Amendments were filed in the Response dated January 9, 2006 to overcome objections to claims 64 and 74 indicated in the Final Rejection and to place the application in better condition for appeal. However, these amendments improperly were not entered according to the Advisory Action dated February 3, 2006. A Response was filed on April 10, 2006 to again address the objections to claims 64 and 74. No further amendments have been made, therefore, claims 59-91 are pending.

VI. SUMMARY OF THE CLAIMED SUBJECT MATTER

The present invention relates to a communications system. As discussed on page 6 lines 1- 18, according to an embodiment of the invention by a communication system that includes a first communication device, a first network control device for controlling a first network to which the first communication device is connected and a first interface establishing device connected between the first network control device and a transmitting network. The first communication device and the first network control device are connected such that a use signal and a control signal are sent separately to the first network control device. Furthermore, the first network control device sends the control signal to the first interface establishing device. Moreover, the first interface establishing device comprises a compressing means for compressing the use signal, the compressed signal being sent over the transmitting network, and a control signal transfer means for receiving the control signal from the first network control device and sending the control signal over the transmitting network.

Alternatively, as discussed on page 6 lines 20-32, according to another

embodiment of the invention, is directed to a communication method for a communication system. The communication systems includes a first communication device, a first network control device for controlling a first network to which the first communication device is connected and a first interface establishing device connected between the first network control device and a transmitting network. The communication method includes the steps of sending a use signal and a control signal from the first communication device to the first network control device separately, and sending the use signal and the control signal from the first network control device to the first interface establishing device separately.

VII. GROUPING OF CLAIMS

Applicants respectfully submit that each of claims 59-91 stands alone. In other words, each of the presently pending claims is separately patentable.

VIII. APPELLANT'S ARGUMENTS

Applicants respectfully submit that each of pending claims 59-91 recites subject matter which is neither disclosed nor suggested by the cited and applied references.

The Final Office Action rejected claims 59-63, 67-70, 72-73, 75, 77-84 and 86-91 stand rejected as being obvious over 35 U.S.C. 102(e) over Applicant's admitted prior art (APA). Applicants respectfully traverse this rejection.

As a preliminary matter, Applicants note that the APA cannot be considered to be prior art under 35 U.S.C. 102(e), as the APA is not a patent or application by another. Thus, this rejection should be reversed. As will be discussed below, however, the claims

recite subject matter which is neither disclosed nor suggested by the prior art.

Claim 59, from which claims 60-79 depend, recites a communications system. The communications system includes a first interface establishing device (30; 31; 32) connected between the first network control device (20; 21) and a transmitting network (4). In the communications system the first communication device (1) and the first network control device (20; 21) are connected such that a use signal (US) and a control signal (CS) are sent separately to the first network control device (20; 21). Further in the communications system the first network control device (20; 21) and the first interface establishing device (30; 31; 32) are connected such that the use signal (US) and the control signal (CS) are sent separately to the first interface establishing device (30; 31; 32), and the first interface establishing device (30) is adapted to send the control signal (CS) over the transmitting network (4). The communications system further includes a tone generation means (50c; 61a; 72a) is provided on the far-end side of the network for receiving the control signal after transmission through the transmitting network (4) and for generating a tone signal in response to the control signal (CS).

Claim 80, from which claims 81-85 depend, recites a communication method for a communication system. The communications system includes a first communication device (1), a first network control device (20) for controlling a first network to which the first communication device (1) is connected and a first interface establishing device (30) connected between the first network control device (20) and a transmitting network (4). The method includes sending (S1) a use signal (US) and a control signal (CS) from the first communication device (1) to the first network control device (20) separately. The method further includes sending (S2) the use signal (US) and the control signal (CS) from

the first network control device (20) to the first interface establishing device (30) separately. The method further includes receiving the control signal (CS) from the first network control device (20) and sending (S3) the control signal (CS) over the transmitting network (4). The method includes receiving the control signal after transmission through the transmitting network (4) by a tone generation means (50c; 61a; 72a) provided on the far-end side of the network, and generating (S6) a tone signal in response to the control signal (CS).

Claim 86, from which claim 87 depends, recites an interface establishing device for providing a connection over a transmitting network, wherein a communication device is connectable to the interface establishing device. The interface establishing device includes means for receiving a use signal and a control signal separately from the communication device. In the interface establishing device, the control signal is to be used to generate a tone signal at the far-end side of the transmitting network. The interface establishing device further includes means for sending the control signal and the use signal separately via the transmitting network.

Claim 88, from which claim 89 depends, recites an interface establishing device for providing a connection over a transmitting network, wherein a communication device is connectable to the interface establishing device. The interface establishing device includes means for receiving a use signal and a control signal separately via the transmitting network. The interface establishing device further includes means for generating the tone signal in response to the control signal. Further, the interface establishing device includes means for combining the tone signal and the use signal and sending the combined signal to the communication device.

Claim 90, from which claim 91 depends, recites an interface establishing device for providing a connection over a transmitting network, wherein a communication device is connectable to the interface establishing device. The interface establishing device includes means for receiving a use signal and a control signal separately via the transmitting network. The interface establishing device further includes means for sending the use signal and the control signal separately to the communication device, wherein the control signal is to be used to generate a tone signal.

As will be discussed below, APA fails to expressly or inherently disclose each and every element of the invention. Specifically, Applicant respectfully submits that the APA fails to disclose or suggest at least the feature of the first communication device and the first network device are connected such that a use signal and a control signal are sent separately to the first interface establishing device, as recited in claim 59 and similarly recited in claims 80, 86, 88, and 90.

Figures 1-3 clearly show that the use signal and the control signal are transmitted on one line and not separately to the first network establishing device, as claimed in the present invention. As described at least on page 1 line 29 – page 2 line 1 of the specification, Figure 2 merely shows the first network establishing device 3 sending a compressed speech signal USC and the CS to the second network establishing device 5. Further, Applicant notes that Figure 2 shows that the control signal CS is not sent from the first network control device 3 and the second network control device 3. Still further, Figure 3, (also labeled “Prior Art”) shows the control signal CS and the use signal US are sent on the same line to the network establishing device. This is further evidenced by the description on page 4 of the present specification. In the prior art, the signaling message

is converted into a tone signal at the MSC, sent to the gateway, and is then again converted into a signaling message, which may cause disturbances on the use signal.

In contrast, as clearly shown in Figure 4 and recited in each of claims 59, 80, 86, and 90, and claims dependent thereupon, the use signal US and the control signal CS are transmitted separately to the first network establishing device GW.

Regarding dependent claims 60-63, 67-70, 72, 73, 77-79, 81-84, 87, 89 and 91, the Applicant respectfully submits that APA is deficient at least for the same reasons discussed above regarding claims 59, 80, 86, 88 and 90. Claims 60 and 87 which depend from claims 59 and 86 respectively, recite the feature of the first interface establishing device comprises a compressing means for compressing the use signal, the compressed signal being sent over the transmitting network which is neither disclosed nor suggested in APA. Claims 61, 89 and 91 which depend from claims 59, 88 and 90 respectively, recite the feature of a decompressing means which is neither disclosed nor suggested in APA. Claim 62 recites the features of a second communication device and a second network control device, wherein the second interface establishing device is adapted to combine the use signal and the tone signal. The network control device is adapted to receive the combined signal and to send it to the second communication device, which is neither disclosed nor suggested in APA. Claim 63 recites the features of a second interface establishing device connected to the transmitting network and a second network control device, wherein the second interface established device that includes a decompressing means for decompressing the use signal received via the transmitting network and a control transfer means receiving the control signal and sending the control signal to the second network control device wherein the second

interface establishing device is adapted to send the use signal to the second network control device, which are neither disclosed nor suggested in APA. Claim 64 recites the features of a second communication device wherein the second network control device comprises the tone generation means, and the second network control device is adapted to combine the use signal and the tone signal and to send the combined signal to the second communication device, which are neither disclosed nor suggested in APA. Claim 67 recites the feature of the tone signal generated in response to the control signal is a DTMF signal, which is neither disclosed nor suggested in APA. Claim 68 recites the feature the first communication means is adapted to generate the control signal in response to an operation of a key, which is neither disclosed nor suggested in APA. Claim 69 recites the feature of the transmitting network is an IP based network, which is neither disclosed nor suggested in APA. Claim 70 recites the feature wherein said first communication device (1) is a mobile phone, which is neither disclosed nor suggested in APA. Claim 71 recites the feature wherein the first communication device (1) is a fixed phone, which is neither disclosed nor suggested in APA. Claim 72 recites the feature wherein the second communication device is a mobile phone. Claim 73 recites the feature wherein the second communication device is a fixed phone, which is neither disclosed nor suggested in APA. Claim 74 recites the feature wherein the first network control device and the first interface establishing means are constructed as one unit, which is neither disclosed nor suggested in APA. Claim 75 recites the feature wherein the first network control device and the first interface establishing means are constructed as separate units, which is neither disclosed nor suggested in APA. Claim 76 recites the feature of the second network control device and the first interface establishing means

are constructed as one unit, which is neither disclosed nor suggested in APA. Claim 77 recites the feature of the wherein the first network control device and the first interface establishing means are constructed as separate units, which is neither disclosed nor suggested in APA. Claim 78 recites the feature of a network communication device connectable directory to the transmitting network such that the control signal and the use signal is transmitted from the first interface establishing device to the network communication device which is neither disclosed nor suggested in APA. Claim 79 recites the feature of wherein the transmitting network is and IP based network and the network communication device is an IP phone, which is neither disclosed nor suggested in APA.

Claim 81 recites the feature of wherein in the step (S4) of compressing the use signal (US), the compressed signal (USC) being sent over the transmitting network, which is neither disclosed nor suggested in APA. Claim 82 recites the features of receiving (S5) the compressed use signal (USC) and the control signal (CS) in a communication system on a far-end side of the transmitting network, which is neither disclosed nor suggested in APA. Claim 83, recites in the step of generation (S6) the tone signal is performed in a second interface establishing means, which is neither disclosed nor suggested in APA. Claim 84 recites in the step of generating (S6) the tone signal (TS) is performed in a second network control device.

A claim is anticipated only if each and every element as set forth in the claim is found, either expressly or inherently described in a single prior art reference. Verdegaal Bros. v. Union Oil Co. of California, 814 F.2d 628, 631, 2 USPQ2d 1051, 1053 (Fed. Cir. 1987). As discussed above, APA fails to expressly or inherently disclose each and every element of the invention.

It is respectfully submitted that APA fails to disclose or suggest all of the features recited in claims 59-63, 67-70, 72-73, 75, 77-84 and 86-91. Thus, the PTO has not established prima facie anticipation with respect to claims 59-63, 67-70, 72-73, 75, 77-84 and 86-91. Therefore, the Applicants are appealing the final rejection of October 19, 2005 and respectfully asserts that the rejection under 35 U.S.C. §102(e) should be withdrawn because the cited references taken either individually or in combination do not teach or suggest each feature of claims 59-63, 67-70, 72-73, 75, 77-84 and 86-91.

The Final Office Action rejected claims 64, 71, 74 and 76 under 35 U.S.C. 103(a) as being obvious over APA in view of US Patent No. 6,259,691 to Naudus (Naudus). The Final Office Action took the position that APA disclosed all of the features recited in claims 64, 71, 74 and 76 except for the feature of the second network control device comprising a tone generation means. The Office Action alleged that this feature is disclosed in Naudus. Applicant respectfully submits that the cited references taken individually or in combination fail to disclose or suggest all of the features recited in any of the pending claims.

Specifically, Applicants respectfully submit that APA is deficient at least for the reasons discussed above, and Naudus fails to cure these deficiencies. AP is discussed above.

Claim 64 which depends from claims 59 and 63, recites a second communication device, wherein the second network control device comprises the tone generation means, and the second network control device is adapted to combine the use signal and the tone signal (TS) and to send the combined signal to the second communication device. Claim 71 which depends from claim 59 recites the first communication device is

a fixed phone. Claim 74 which depends from claim 59 recites wherein the first network control device and the first interface establishing means are constructed as one unit. Claim 76, which depends from claim 59, recites the second network control device and the first interface establishing means are constructed as one unit.

Applicant respectfully submits that each of claims 64, 71, 74 and 76 recite features that are neither disclosed nor suggested in the cited references.

APA is discussed above. Because the combination of APA and Naudus must teach, individually or combined, all the recitations of the base claims and any intervening claims of dependent claims 64, 71, 74 and 76, the arguments presented above supporting the patentability of independent claim 59 over APA are incorporated herein.

Naudus is directed to a system and method for efficiently transporting DTMF signals in a telephone connection on a network based telephone system. Naudus considers a particular delay in the audio stream due to the DTMF signals. However, Naudus fails to mention, disclose or suggest at least the feature that the control signal and the use signal are sent separately from the communication device (mobile terminal) to the network control device (MSC), to the gateway, and then to the far-end of the network, as claimed in the present invention. Thus, Naudus fails to cure the deficiencies of APA.

In order to establish prima facie obviousness of a claimed invention, all the claimed limitations must be suggested or taught by the prior art. In re Royka, 490 F.2d 981, 180 USPQ 580 (CCPA 1970). In the present case, as discussed above, Applicant respectfully submits the PTO has failed to meet this burden because Naudus fails to cure the deficiencies of APA.

It is respectfully submitted that APA fails to disclose or suggest all of the features recited in claims 64, 71, 74 and 76. Thus, the PTO has not established prima facie anticipation with respect to claims 64, 71, 74 and 76. Therefore, the Applicants are appealing the final rejection of October 19, 2005 and respectfully asserts that the rejection under 35 U.S.C. §103(a) should be withdrawn because the cited references taken either individually or in combination do not teach or suggest each feature of claims 64, 71, 74 and 76.

IX. CONCLUSION

For all of the above noted reasons, it is strongly contended that certain clear differences exist between the present invention as claimed in claims 59-91 and the prior art relied upon by the Examiner. It is further contended that these differences are more than sufficient that the present invention would not have been obvious to a person having ordinary skill in the art at the time the invention was made.

This final rejection being in error, therefore, it is respectfully requested that this honorable Board of Patent Appeals and Interferences reverse the Examiner's decision in this case and indicate the allowability of application claims 59-64 and 67-84 and 86-91.

In the event that this paper is not being timely filed, the applicant respectfully petitions for an appropriate extension of time. Any fees for such an extension together with any additional fees which may be due with respect to this paper may be charged to Counsel's Deposit Account 50-2222.

Respectfully submitted,

SQUIRE, SANDERS & DEMPSEY LLP

A handwritten signature in black ink, appearing to read 'D. E. Brown', is positioned above the printed name.

David E. Brown
Attorney for Applicant(s)
Registration No. 51,091

Atty. Docket No.: 60282.00047

8000 Towers Crescent Drive, 14th Floor
Tysons Corner, VA 22182-2700
Tel: (703) 720-7800
Fax (703) 720-7802

DEB:jkm

Encls: Appendix 1 – Claims on Appeal
Appendix 2 – Drawings

APPENDIX 1

CLAIMS ON APPEAL

1-58. (Cancelled)

59. (Previously Presented) A communications system comprising:

a first interface establishing device (30; 31; 32) connected between the first network control device (20; 21) and a transmitting network (4); wherein

said first communication device (1) and said first network control device (20; 21) are connected such that a use signal (US) and a control signal (CS) are sent separately to said first network control device (20; 21);

said first network control device (20; 21) and said first interface establishing device (30; 31; 32) are connected such that said use signal (US) and said control signal (CS) are sent separately to said first interface establishing device (30; 31; 32),

said first interface establishing device (30) is adapted to send said control signal (CS) over said transmitting network (4); and

a tone generation means(50c; 61a; 72a) is provided on the far-end side of the network for receiving said control signal after transmission through said transmitting network (4) and for generating a tone signal in response to said control signal (CS).

60. (Previously Presented) A communication system according to claim 59, wherein

said first interface establishing device (30) comprises a compressing means (30a) for compressing said use signal, the compressed signal being sent over said transmitting network (4).

61. (Previously Presented) A communication system according to claim 60, further comprising a second interface establishing device (50) connecting to said transmitting network (4); wherein

said second interface establishing device (50) comprises a decompressing means (50a) for decompressing said use signal (US) received via said transmitting network (4), and said tone generation means (50c).

62. (Previously Presented) A communication system according to claim 61, wherein further comprising

as second communication device (7)I and

a second network control device (60); wherein

said second interface establishing device (50) is adapted to combine said use signal (US) and said tone signal (TS)I; and

said network control device (60) is adapted to receive said combined signal and to send it to said second communication device (7).

63. (Previously Presented) A communication system according to claim 60, wherein further comprising

a second interface establishing device (51) connected to said transmitting

network (4); and

a second network control device (61;62); wherein said second interface established device (51;51) comprises

a decompressing means (51a; 52) for decompressing said use signal received via said transmitting network (4); and

a control transfer means receiving said control signal and sending said control signal to said second network control device (61; 62),

wherein said second interface establishing device (51; 52) is adapted to send said use signal (US) to said second network control device (61; 62).

64. (Previously Presented) A communication system according to claim 63, wherein further comprising

a second communication device (7); wherein

said second network control device (61) comprises said tone generation means (61a); and

said second network control device (61) is adapted to combine said use signal and said tone signal (TS) and to send the combined signal to said second communication device (7).

65. (Previously Presented) A communication system according to claim 63, wherein further comprising

a second communication device (72); wherein

said second network control device (62) is adapted to send said control

signal (CS) and said use signal (US) separately to said second communication device (72).

66. (Previously Presented) A communication system according to claims 65, wherein said second communication device (72) comprises said tone generation means (72a).

67. (Previously Presented) A communication system according to claim 59, wherein said tone signal generated in response to said control signal (TS) is a DTMF signal.

68. (Previously Presented) A communication system according to claim 59, wherein said first communication means (1) is adapted to generate said control signal in response to an operation of a key.

69. (Previously Presented) A communication system according to claim 59, wherein said transmitting network (4) is an IP based network.

70. (Previously Presented) A communication system according to claim 59, wherein said first communication device (1) is a mobile phone.

71. (Previously Presented) A communication system according to claim 59, wherein said first communication device (91) is a fixed phone.

72. (Previously Presented) A communication system according to claim 59, wherein said second communication device (7; 72) is a mobile phone.

73. (Previously Presented) A communication system according to claim 59, wherein said second communication device (7; 72) is a fixed phone.

74. (Previously Presented) A communication system according to claim 59, wherein said first network control device (21) and said first interface establishing means (31) are constructed as one unit.

75. (Previously Presented) A communication system according to claim 59, wherein

said first network control device (20) and said first interface establishing means (30) are constructed as separate units.

76. (Previously Presented) A communication system according to claim 59, wherein

said second network control device (50;51) and said first interface establishing means 60; 61; 62) are constructed as one unit.

77. (Previously Presented) A communication system according to claim 59, wherein said first network control device (50; 51) and said first interface establishing

means (60; 61; 62) are constructed as separate units.

78. (Previously Presented) A communication system according to claim 59, further comprising a network communication device (73) connectable directly to said transmitting network (4) such that said control signal (CS) and said use signal (USC) is transmitted from said first interface establishing device (30) to said network communication device (73).

79. (Previously Presented) A communication system according to claim 78, wherein said transmitting network (4) is an IP based network and said network communication device (73) is an IP phone.

80. (Previously Presented) A communication method for a communication system comprising a first communication device (1), a first network control device (20) for controlling a first network to which said first communication device (1) is connected and a first interface establishing device (30) connected between said first network control device (20) and a transmitting network (4); said method being wherein comprising the steps of

sending (S1) a use signal (US) and a control signal (CS) from said first communication device (1) to said first network control device (20) separately;

sending (S2) said use signal (US) and said control signal (CS) from said first network control device (20) to said first interface establishing device (30) separately;

receiving said control signal (CS) from said first network control device (20)

and sending (S3) said control signal (CS) over said transmitting network (4); and
receiving said control signal after transmission through said transmitting network (4) by a tone generation means (50c; 61a; 72a) provided on the fair-end side of the network;
and generating (S6) a tone signal in response to said control signal (CS).

81. (Previously Presented) A method according to claim 80, wherein further comprising the step (S4) of compressing said use signal (US), the compressed signal (USC) being sent over said transmitting network (4).

82. (Previously Presented) A method according to claim 81, wherein further comprising the steps of receiving (S5) said compressed use signal (USC) and said control signal (CS) in a communication system on a far-end side of said transmitting network (4).

83. (Previously Presented) A method according to claim 80, wherein said step of generation (S6) said tone signal is performed in a second interface establishing means (50).

84. (Previously Presented) A method according to claim 80, wherein said step of generating (S6) said tone signal (TS) is performed in a second network control device (61).

85. (Previously Presented) A method according to claim 84, wherein said step of generating (S6) said tone signal (TS) is performed in a second communication device (72).

86. (Previously Presented) An interface establishing device for providing a connection over a transmitting network, wherein a communication device is connectable to the interface establishing device, the interface establishing device comprising:

means for receiving a use signal and a control signal separately from said communication device, wherein said control signal is to be used to generate a tone signal at the far-end side of the transmitting network; and

means for sending the control signal and the use signal separately via said transmitting network.

87. (Previously Presented) An interface establishing device according to claim 86, further comprising a compressing means for compressing said use signal, the compressed signal being sent over said transmitting network.

88. (Previously Presented) An interface establishing device for providing a connection over a transmitting network, wherein a communication device is connectable to the interface establishing device, the interface establishing device comprising:

means for receiving a use signal and a control signal separately via the transmitting network;

means for generating said tone signal in response to said control signal;

and

means for combining said tone signal and said use signal and sending the combined signal to said communication device.

89. (Previously Presented) An interface establishing device according to claim 88, wherein the use signal is sent in compressed form via said transmitting network, the interface establishing device further comprising:

a decompressing means for decompressing said use signal received via said transmitting network.

90. (Previously Presented) An interface establishing device for providing a connection over a transmitting network, wherein a communication device is connectable to the interface establishing device, the interface establishing device comprising:

means for receiving a use signal and a control signal separately via the transmitting network; and

means for sending said use signal and said control signal separately to said communication device, wherein said control signal is to be used to generate a tone signal.

91. (Previously Presented) An interface establishing device according to claim 90, wherein the use signal is sent in compressed form via said transmitting network, the interface establishing device further comprising:

a decompressing means for decompressing said use signal received via said ,
transmitting network.

APPENDIX 2

DRAWINGS OF APPLICATION SERIAL NO. 09/920,362



1/6

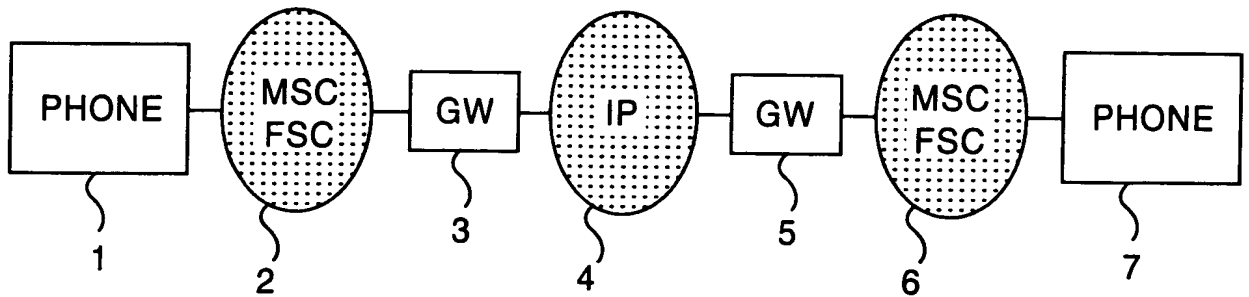


FIG. 1
PRIOR ART

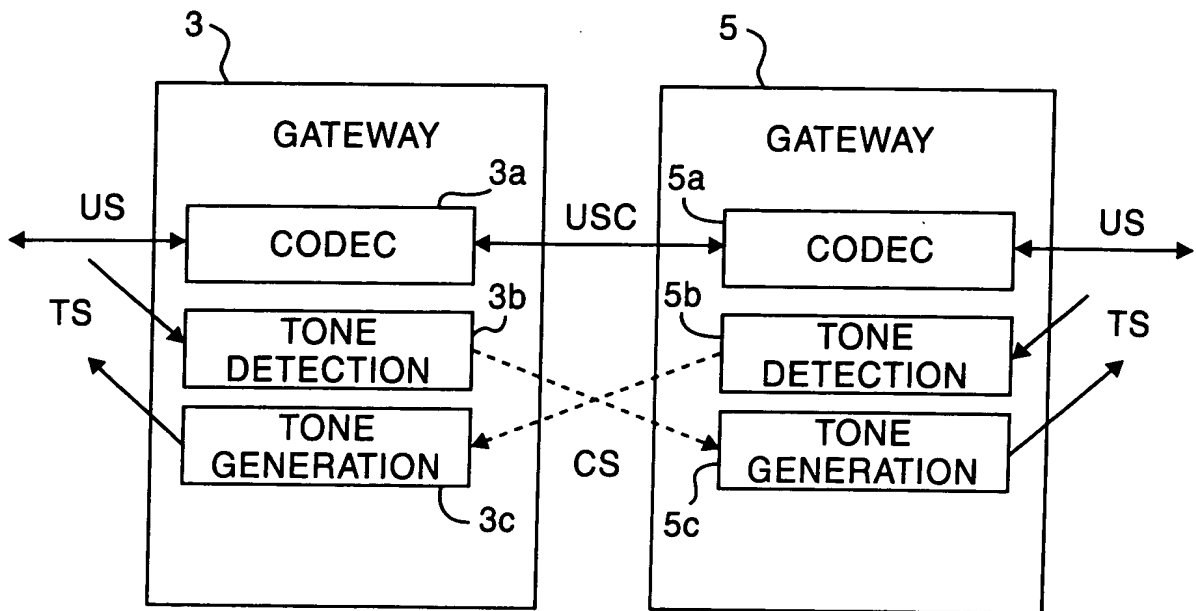


FIG. 2
PRIOR ART

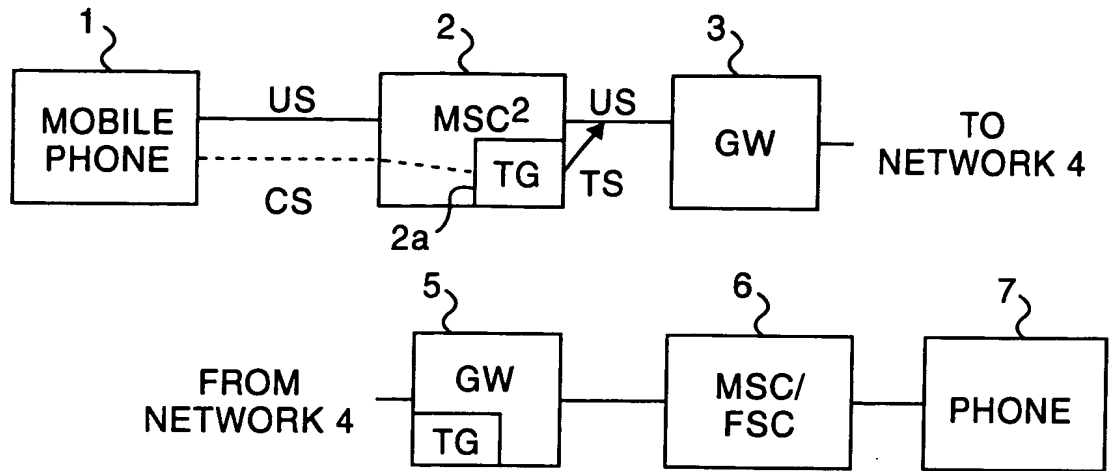


FIG. 3
PRIOR ART

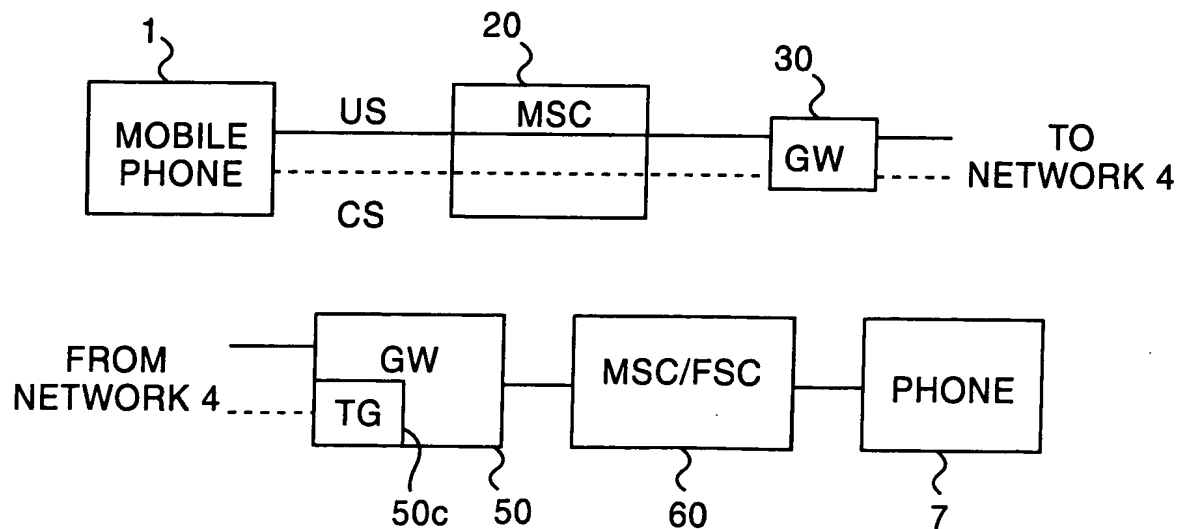


FIG. 4

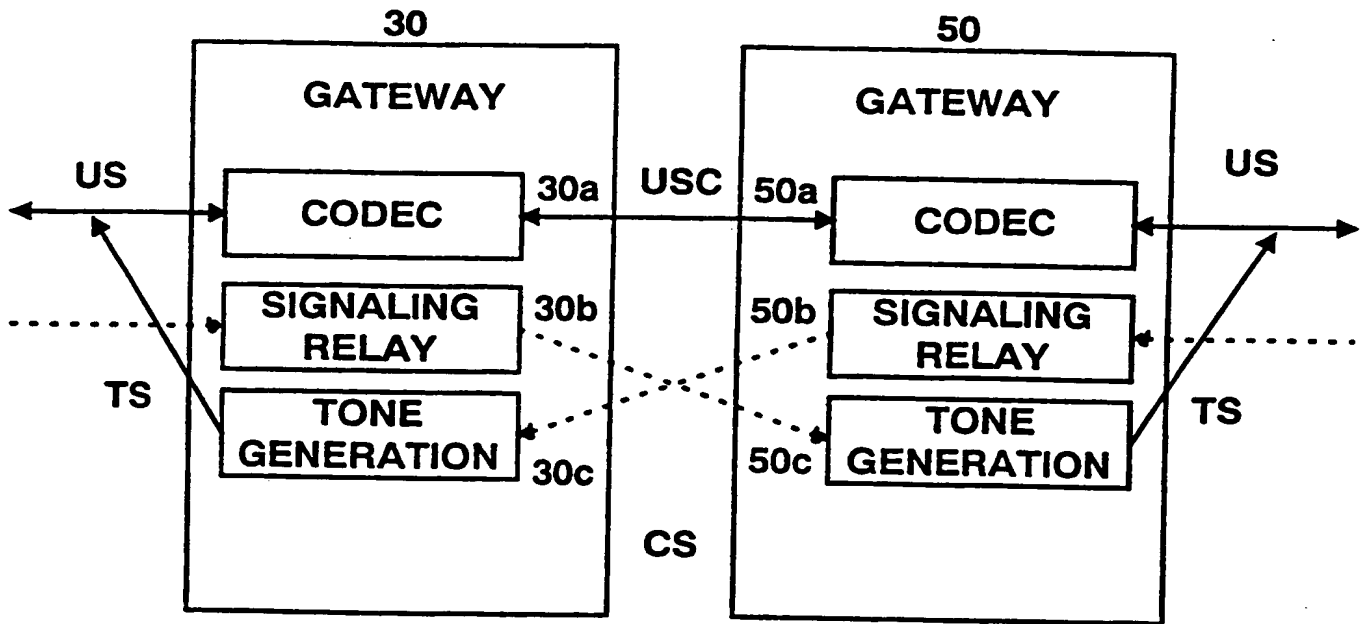


FIG. 5

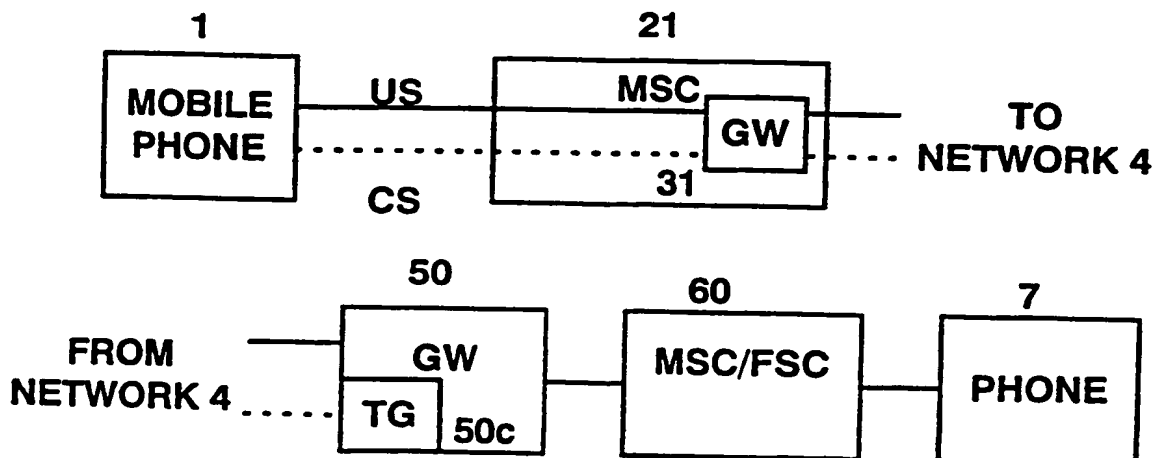


FIG. 6

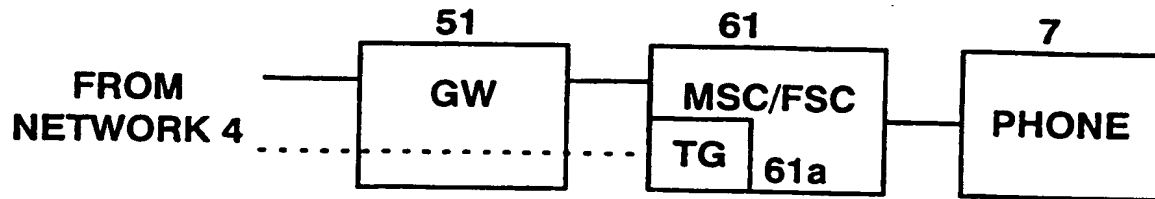


FIG. 7

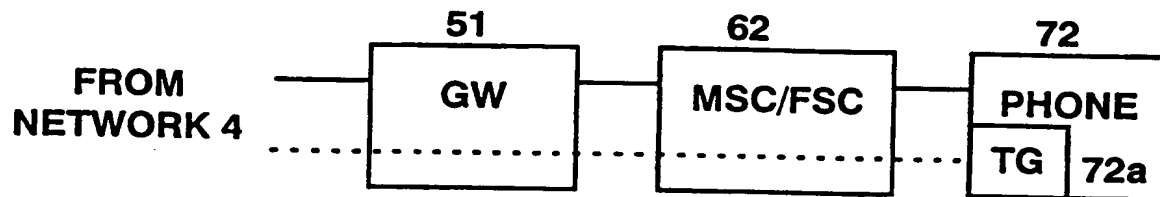


FIG. 8

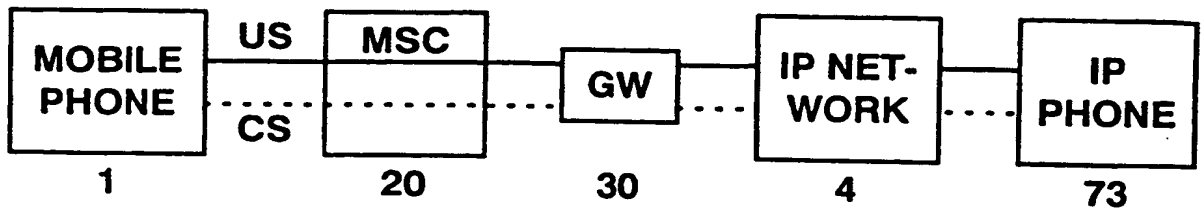


FIG. 9

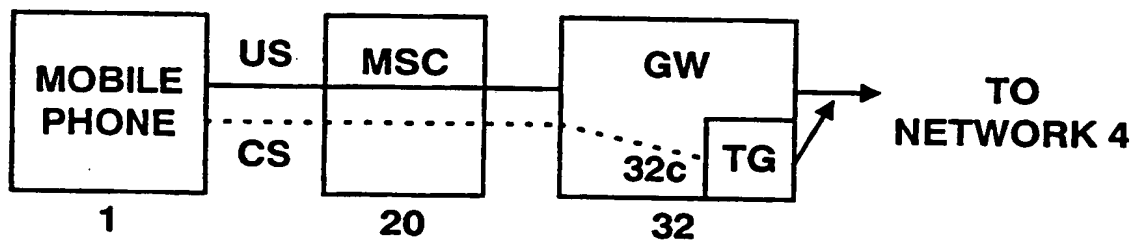


FIG. 10

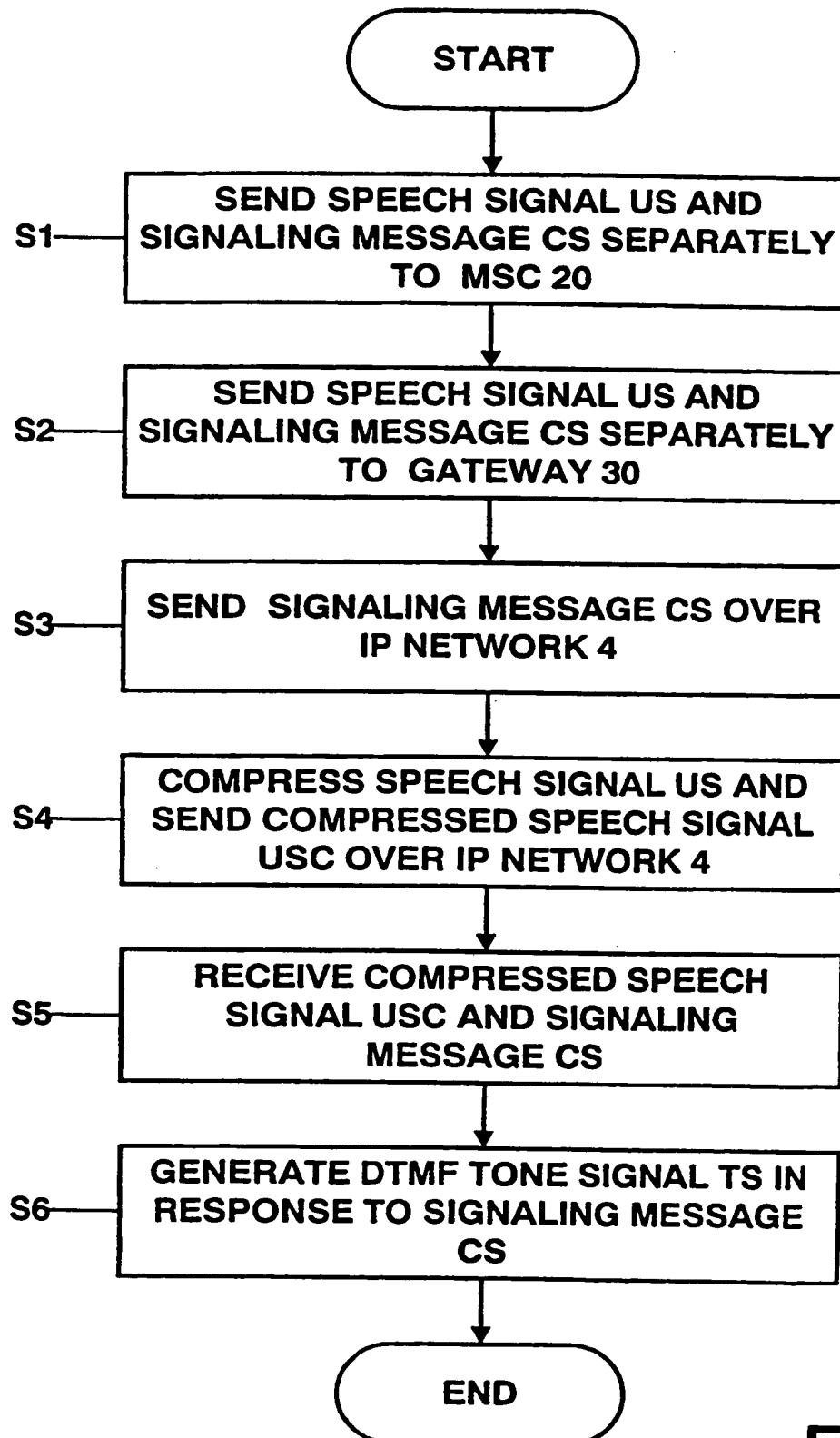


FIG. 11